

ACAMP2010 - AssessPolicyEnginesUsingPacmanUseCases

Wiki space for work on 2010 Advance CAMP Action Item:

Assess Various Policy Engines using MACE-Pacman Benchmark Use Cases

On XACML

- [XACML](#) stands for eXtensible Access Control Markup Language. It is a declarative access control policy language implemented in XML and a processing model, describing how to interpret the policies.
- ["Multiple-Implementation Testing for XACML Implementations"](#)

	Overview
Deliverables /Goals	- List of Policy Engines to be evaluated HERAS AF XACML Core SpocP Sun XACML PERMIS Axiomatics Selection of benchmark use cases from MACE-Pacman to be run. Note that there are links to solution outlines via Grouper, PerMIT and KualI RICE - Course Deadline Extended - Old and New Payroll Clerks - Dorm Access for Residential Advisers - Professional Organizations and Federations - Drug Restocking Approval - Delegated Directory Administration - English language expression of policies implicit in each use case - Multiple representations may be needed - Expression of English language policies in XACML - Develop set of test cases, evaluate each test case with each policy engine - Report on policy language and policy engine evaluations including lessons learned, suggested next steps
Group Members	Leif Johansson, Tom Dopirak, Keith Hazelton... Mailing List: <polengine@internet2.edu> To subscribe, send mail to <pubsympa@internet2.edu> with the SUBJECT: sub polengine FirstName LastName
Assistance desired	• "anyone able to offer a test instance of a policy engine? • anyone who has installed one of selected policy engines willing to help this WG install them? • Does anyone at a campus that has a production implementation of an identifiable Policy Decision Point (PDP) component? If so, are you willing to be contacted with questions about your experiences?
Status	• "polEngine" list created • Deliverables 1 and 2 completed • Adoption of Policy Engine work as a MACE-PACCman WG work item
Milestones	• English language expression of policies implied by two or three use cases • ...Ontology capturing business process, PDP, PEP • ...XACML expressions for above policies • Spocp expressions for above policies and for PEP query to PDP • Test instance of at least one policy engine installed and configured • ...Test suite for above XACML policies • Results of at least one run of test suite on the test policy engine • ...Installation, configuration and testing of XACML-based PAP, PDP, PEP (Axiomatics)

Working Area

